



# Synergy Enabled Services

Fire Alarm / Life Safety



Security



Access Control



System Monitoring







# Synergy Approvals

 Synergy enabled components contain the following listings as applicable to the component operation

UL1076 Proprietary Burglar
Alarm Units and Systems

UL1635 Digital Alarm
Communicator System Units

**UL636 Holdup Alarm Units and Systems** 

UL294 Access Control
System Units

UL609 Local Burglary Alarm
Units and Systems

**UL639 Intrusion Detection Units** 

**UL365 Police Station Connect** 

UL864 Control Units for Fire Protective Signaling Systems

UL1610 Central Station
Burglar Alarm Units



## Fire Alarm

#### Advanced System Design

Stand alone or Network
Conventional or Analog
Signature Advantage
Bells, Horns, Speakers, Strobes

- Panel-to-Panel Token Ring
- Pastwork cessing
- Fire ible programming
- Militigar
- Designed for
- **EUWEY** OUT THE
- **Preferings Salf**ation costs



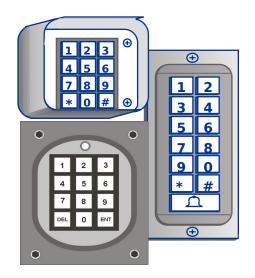




#### • Readers and Badges

- Utilize standard reader technologies, reducing the expense of replacing readers enabling new developing reader
- technology
   Use existing cards,
   reducing the expense of
- issuing new cards
   EST 35 bit Card format –
   Unique format ensures that an identical card will never be produced







#### Readers and Badges

- Card read only, card
- Plus Schedule
- Disarm PIN security
- Portion Badge Out
- Timed Anti-Passback
- Logged Anti-Passback
- Strict Anti-Passback
- 2-Person Rule
- Irregular Cardholder privilege



#### Card Reader Controller (CRC)



- Aesthetically Pleasing
- Common Power Supply for Locks, CRC and Card
- ReadersSelf-sufficient
- Supports one ingress reader/keypad, one egress reader/keypad, one locking device, one request to exit device, one door monitor input, one automatic door opener output and one optional sounder



Card Reader Controller (CRC)

- (2) 3-SACs per EST3 Panel
- 124 CRCs per EST3 Panel
- Over 4000 CRCs per EST3 System

- Easily Expandable
- Upgradeable Field
- Doftwafar Annunciation
- Event Storage
- Disabled Persons
- Feature Security
- Partitions
   1200 Schedules per CRC
- Automatic Schedule
- Befayed Egress
- Supervised wiring



- Card Reader Controller (CRC)
  - Two Sources for Power
  - Internal Batteries
  - Non-volatile database
  - Comprise Card

Up to 36,000 cards per CRC
Up to 20,000 history events
Local or centrally powered



3-SAC Security / Access Control Module

RS485 Communications • อิณาทุนายัง tine ligence

Plug-in Rail Module

**Independent Control** 

- EST3 Plug in Rail
- Madulard



Access Control Database (ACDB)

Wordprocessor

Access Control Database

Spreadsheets

**Internet Browsers** 



- Compatible with most desktop computers / laptops without
- dedicated PC iresources
- Sephication or
- Networked mmunications
- Flexible facility
- Managementants with common doors
- Separate tenant
- Mengenentoliday
- Eusechilingport Generation



Video Image & Badging Workstation



- G&A Imaging & BadgingIntegrated database
- Supports industry standard
- Composite or Digital Video







# Security

Security and Fire

Up to 62 Keypads per 3-SAC

8 Line Graphic LCD

#### Security Keypad Displays

- User Friendly Interface
- Pass code timer
- Prianginguage support
- Backlit display
- Display fire and security
- Partition (area)
- 2557747tibils (areas) per EST3 system



# Security

34' coverage

Adjustable patterns

Signature Advantage

Two alarm inputs
Signature advantage

#### Security Devices

- Signature Motion Detectors (SIGA-MD)
- Signature Input Modules (SIGA-SEC2)
- Compatible with standard devices





## Video Control

# Supports most major video manufacturers

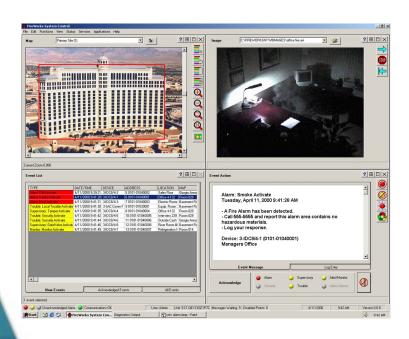
Full video switching

#### Standard Video Control

- Supports standard industry manufacturers
- Automated event viewing
- Pan / Tilt / Zoom control
- Trigger emergency video event recording
- Support pre-set camera positioning

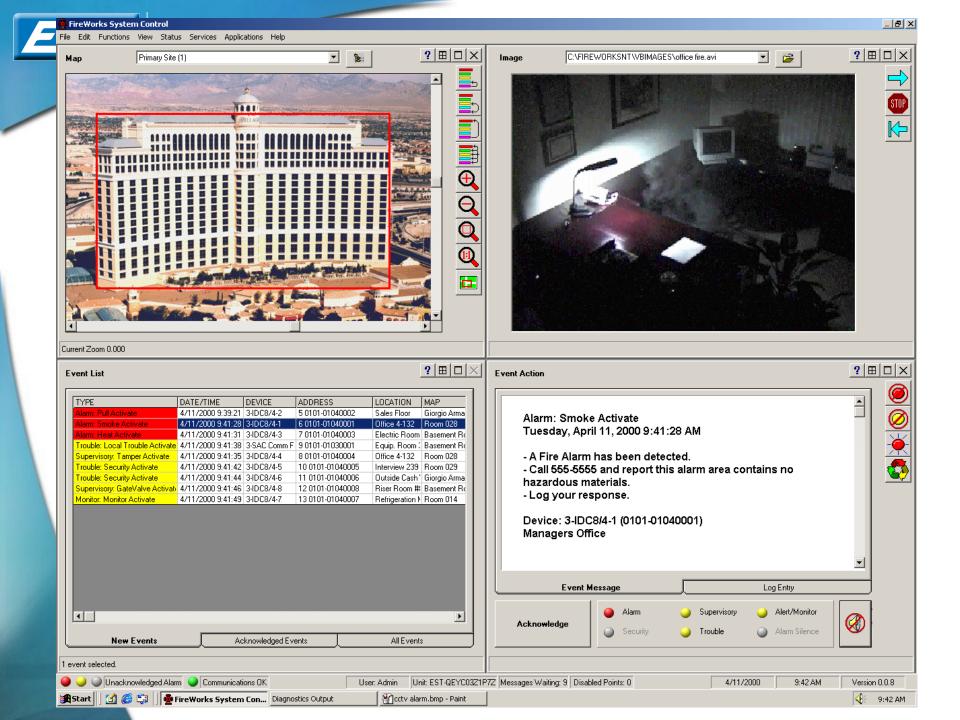


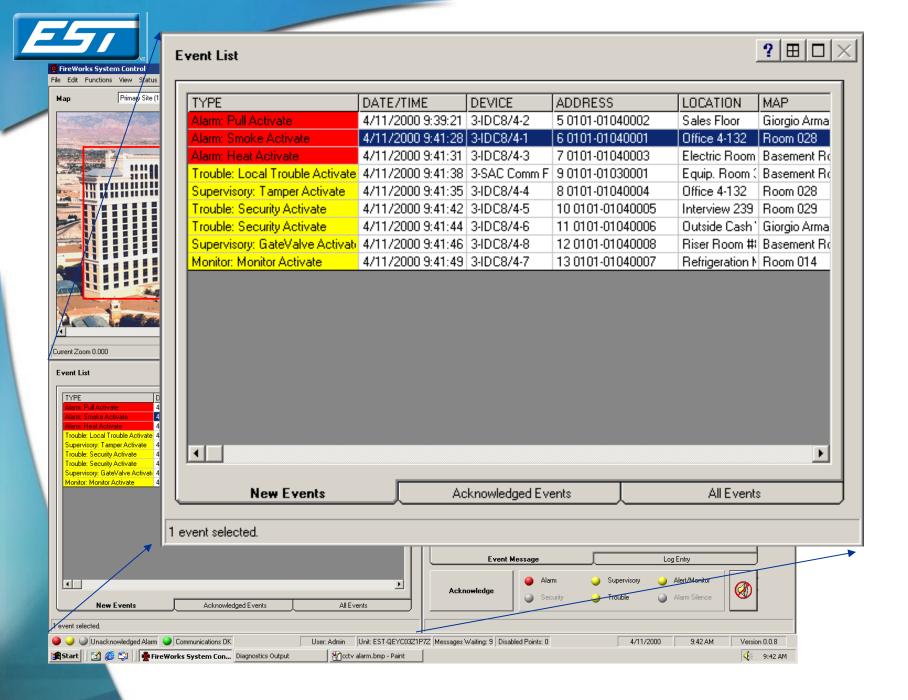


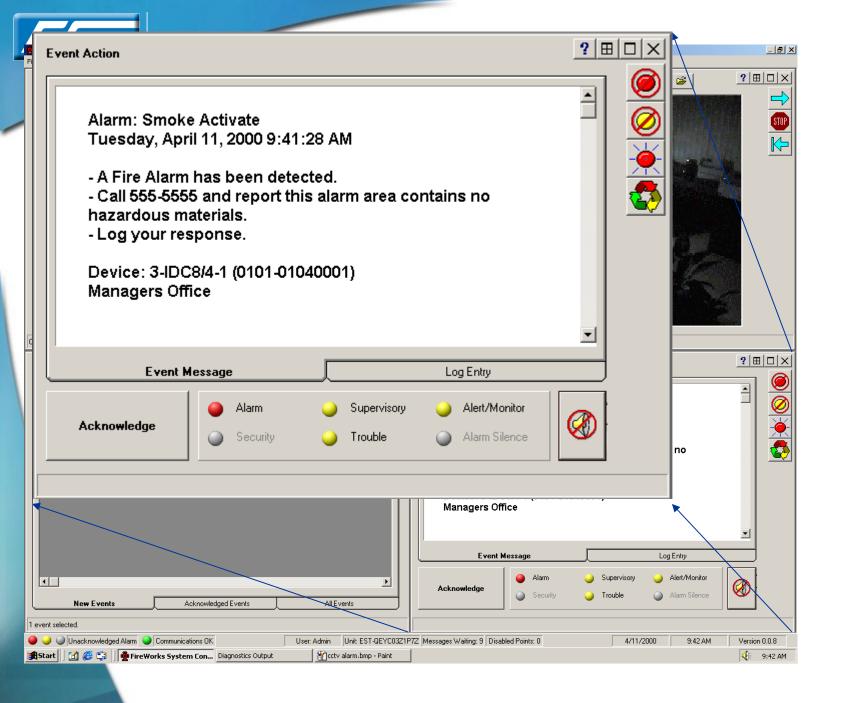


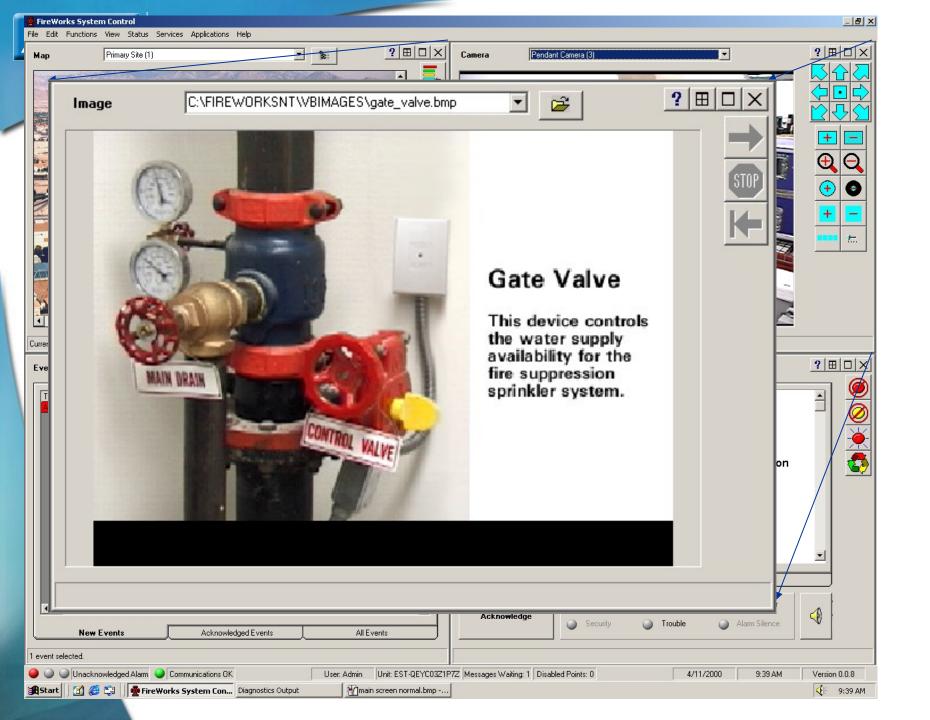
#### FireWorks

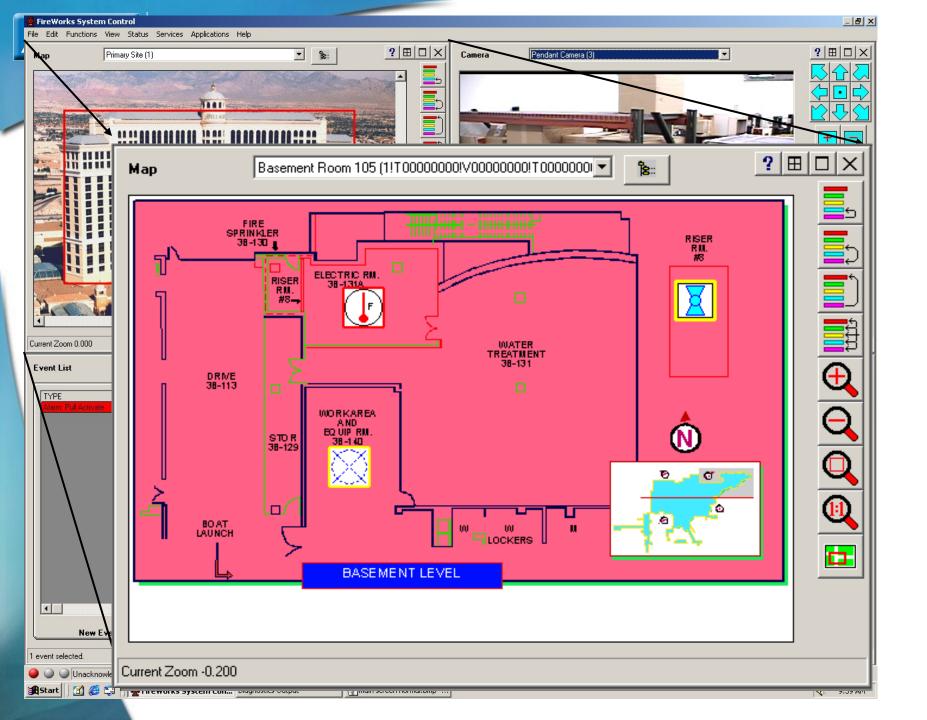
- Event monitoring using Fireworks
- GUI Based Workstermon
  •UL approved
  workstation
- Singleftwamenente Non-UL
- Warkstations: Interface
- Quad Display













- Central Station
  - Central Station monitoring
    - Standard transmission formats
    - Industry standard digital

receivers

SIA, 4/2, 3/1, Contact ID

255 Subscribers per module

Single Event, Dual Transmission



#### 3-Modcom Module

- Standard EST3 rail module
- Multiple modules per EST3
- Synther event transmission to multiple digital receivers
- 255 accounts per module
- Dialer and modem in one module

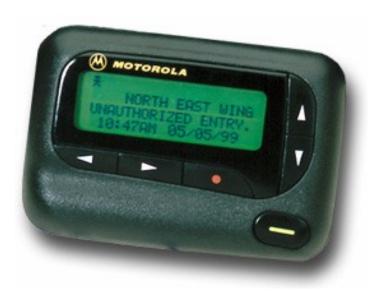
Supports ACDB connection module

**Multi-Functional** module

Up to 10 modules

per EST3 system





### Pager Interface

- Supports TAP pager
- Digital olphanumeric message (up to 40 characters)



#### Concurrent Monitoring



- Single alarm event displayed several places
  - Fireworks

Workstation(s)

- \*EST3 panels
- Central Station
- Pager
- Printer
- Keypad Displays
- Annunciators



# **Building Synergy**

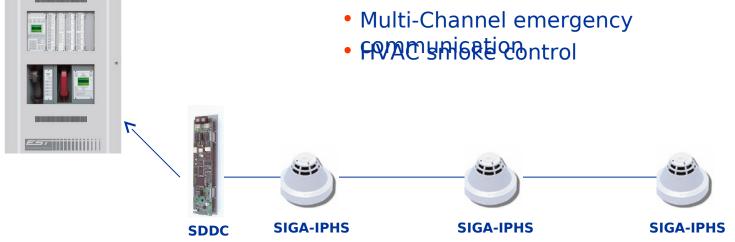
Now that we understand the individual components of Synergy, let me show how to build your EST3 system with Synergy enabled components.





# **Building Synergy**

- 64 Network Nodes (Panels) per EST3 System
- Over 160,000 points per EST3
- NEWOOR multiple EST3
- Statematione or Peer-to-Peer Life Safety
- Accurate, rapid smoke and fire detection
- Sprinkler system monitor



### Fire Alarm Backbone



Fire Alarm - Add Access Control

**SIGA-IPHS** 

3-SDDC

*257* 

**Optional Class A Wiring** 

**SIGA-IPHS** 

**SIGA-IPHS** 





### Fire Alarm - Access Control - Add Security

3-SDDC



ire Alarm - Access Control - Security - Add Monitoring

**SIGA-IPHS** 

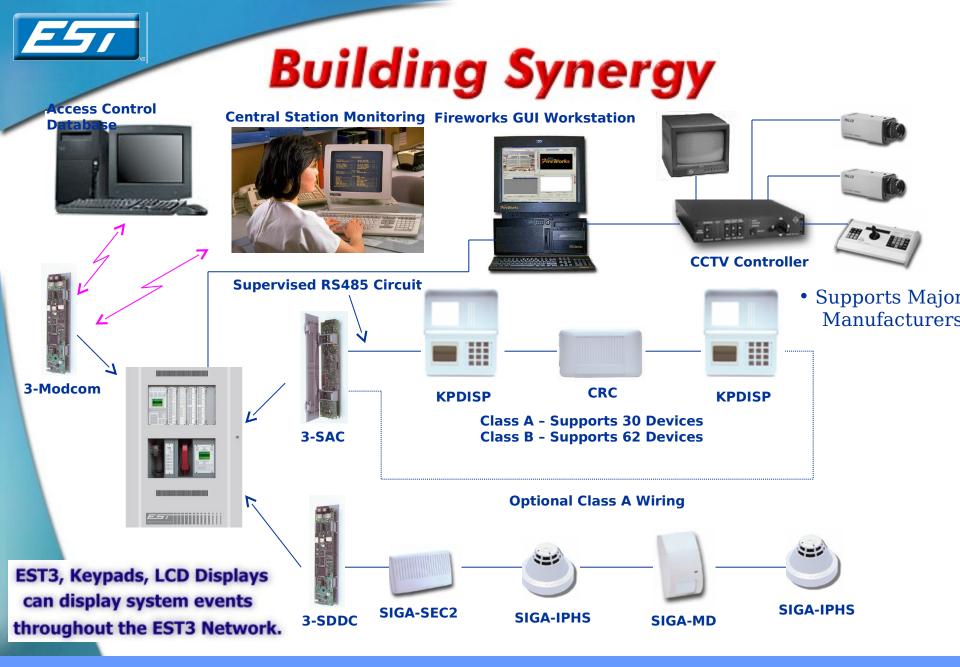
**SIGA-MD** 

SIGA-SEC2

3-SDDC

throughout the EST3 Network.

**SIGA-IPHS** 



Alarm - Access Control - Security - Monitoring - Add CCTV Con





# Thank you!

From the entire EST team

For your time and participation